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TRANS TECH CONSULTANTS (TTC)
SITE SAFETY PLAN
Job No. 3034.01
July 18, 2005

Project Location: Tipple Motors
524 Main Street
Ferndale, California

Job Number: 3034.01

Client: Mr. Jack Tipple, Jr.
Ferndale, CA 95536

Site Description

The site is located in an area of retail and residential development within downtown Ferndale, California. The site is bounded to the west by Washington Street, to the south by a gravel parking lot and alley, to the east by mixed use buildings, and to the north by Main Street. The site is used as a gasoline station and service garage.

Field Work

The first phase of field work will consist of installing two soil borings converted into monitoring wells using a hand auger to a maximum depth of 14 feet below ground surface (BGS). The purpose of this work is to assess the extent of soil and groundwater contamination in the proximity of previously installed borings B-8 and B-23 and monitor the efficacy of the proposed remediation system. Our geologist will collect soil samples and grab groundwater samples from the soil borings. Soil samples will be collected for classification, field screening, and laboratory chemical analysis. Soil samples will be classified in accordance with the Unified Soil Classification System. We will screen selected soil samples for organic hydrocarbon vapors with an organic vapor meter (PID). The samples will be labeled, placed on ice, and transported under chain-of-custody to a laboratory that is State certified for the analysis requested.

The second phase of field work will consist of installing six horizontal borings at an approximate depth of 9.5 feet BGS and approximately 90 feet long. The purpose of this work is to construct horizontal injection lines underneath the existing structures for air/ozone sparging.

Sampling equipment will be cleaned with a phosphate-free detergent solution and double rinsed with clean water between sampling events. The soil cuttings generated by the investigation will be placed in a 55-gallon DOT-approved drum and stored onsite, pending disposal. Rinse water generated by the field investigation will be contained and pumped into 55-gallon drums, pending disposal.

Level of Protection

Equipment to protect the body from contact with chemical hazards has been categorized by the Environmental Protection Agency into levels A, B, C, & D. Level A equipment is used when the highest level of protection is needed; Level D equipment is used when minimum protection is needed. The chemical hazard associated with petroleum hydrocarbons is typically low and Level D protection (see equipment list below) is adequate. In case of high levels of contamination, an upgrade to Level C protection equipment may be advised. Level C and D equipment are listed below.

Level C Equipment

Level C equipment is used when the type of airborne substance is known, concentration measured, criteria for air purifying respirators (APR) are met, and skin and eye exposure is unlikely. The required equipment for this level of protection is an NIOSH/MSHA approved APR, chemical resistant clothing, chemical resistant inner and outer gloves, chemical resistant boots with steel toe and shank, and hard hat.

Level D Equipment

Level D equipment is primarily a work uniform or ordinary work clothing, and should not be used on any site where respiratory or skin hazards exist. The required equipment for this level of protection is a dust mask or no respiratory protection, eye protection, gloves, coveralls, chemical resistant boots or shoes with steel toe and shank, and hard hat. Tyvek overalls and Solvex or equivalent gloves are recommended.

Equipment Required for This Investigation

Level D equipment is required for this investigation, with Nitrile being the glove material of choice. Hearing protection is recommended. Air monitoring will be performed with combustible gas meter during the investigation to determine whether an upgrade to Level C protection is advisable. Loose clothing should be avoided.

Equipment Decontamination

Sampling equipment will be decontaminated using a phosphate-free detergent wash and deionized water rinse.

Site Resources

Toilet, drinking water, and telephone facilities are available onsite.

Emergency Equipment

Eyewash, emergency rinse water, first-aid kit, fire extinguisher, and respirators will be carried in company vehicle onsite.

SITE SPECIFIC SAFETY HAZARDS

The site specific safety hazards associated with this investigation include the following:

1) Proximity to traffic on Washington Street and Main Street
2) Slips, trips and falls
3) Underground utility hazard when hand augering / drilling
4) Overhead electrical hazards
5) Noise
6) Inclement weather (heat, cold, lightning, etc.)

Telephone Numbers

Troy Hulver
- Del Oro Water
845 · 8616
$10 per 1000 g

Paramedics:	911 or (707) 445-4907
County Sheriff:	911 or (707) 445-7251
Fire Department:	911 or (707) 786-9909
Ferndale Police:	911 or (707) 786-4225
Hospital:	Redwood Memorial Hospital 3300 Renner Drive Fortuna, California 95540 (707) 725-3361
Client contact:	Mr. Jack Tipple (707) 786-4543
Poison control center:	(800) 876-4766 (415) 821-8324
Project Manager:	Bill C. Wiggins Office:(707) 575-8622 Cellular:(707) 478-2097
Corporate Health and Safety Officer:	Bill Wiggins Office:(707) 575-8622 Cellular:(707) 478-2097

Emergency Route : Map Attached, Plate SSP1

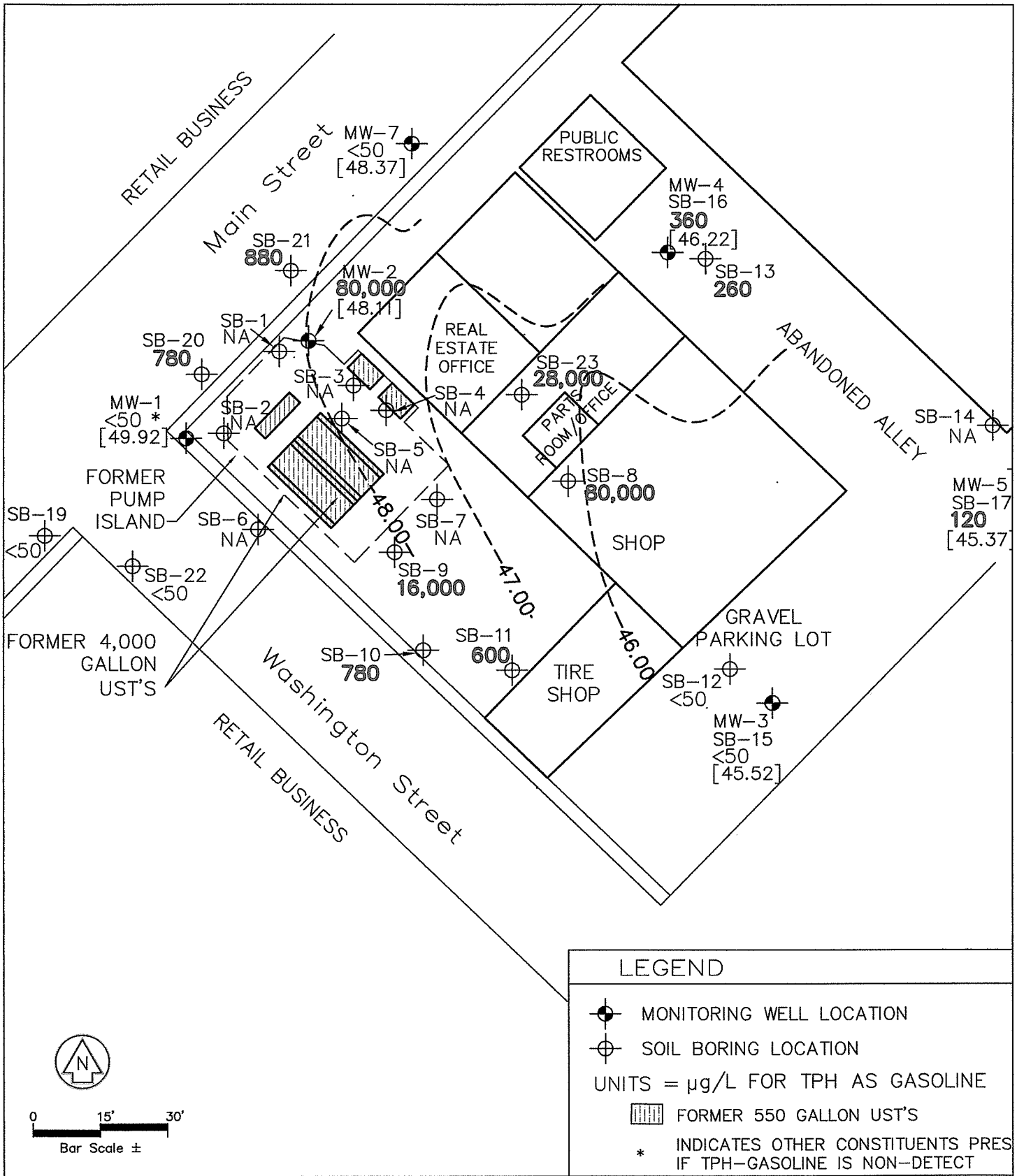
PROJECT PERSONNEL LIST AND SAFETY PLAN DISTRIBUTION RECORD

TTC Employees:

All project staff must sign, indicating they have read and understand the safety plan.

A copy of this safety plan must be made available for their review and readily available at the job site.

Employee Name	Date of H&S Training	Date Distributed	Signature
Brian Hasik	5/05		



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- UNITS = µg/L FOR TPH AS GASOLINE
- FORMER 550 GALLON UST'S
- * INDICATES OTHER CONSTITUENTS PRES IF TPH-GASOLINE IS NON-DETECT

TRANS TECH CONSULTANTS
930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

SITE PLAN/ GROUND WATER ELEVATION CONTOUR MAP WITH MOST RECENT ANALYTICAL RESULTS FOR TPH-GASOLINE

TIPPLE MOTORS, INC.
524 MAIN STREET
FERNDALE, CALIFORNIA

PLATE: 6

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
PSC	3034.01 SP	CLS	3034.01	A-609		4/8/05